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## LOCATION OF CONSTRUCTION

Building or Project Name (if applicable) 210-214 Willett Development		
Street Number 210-214	Street Name Willett Street	Suite/Unit Number
Community Halifax West		
Other Location Information (if no civic number assigned)		
Associated permits numbers BPCOM-2021-17062	Description Construction of two 17 storey apartment buildings - 530 units	Estimated project start date / end date August 2021-April 2026

## ANTICIPATED NOISE EVENT(S)

Describe the activity, including the type of noise impacts, and duration of the expected after/before hours noise events. There will be a second crane erected on the site. There may be some equipment noise from the mobile crane lifting the crane to height during erection.

This is expected to take place Thursday March 2nd into Monday March 6th.

This is targeted to be completed during working hours but it may vary outside of these hours.

There will be concrete pours and finishing for the building structures. There may be some equipment noise from the pumps and concrete finishing equipment during this work.

This is expected to take place multiple times throughout the project for both buildings.

This is targeted to be completed during working hours but it may vary outside of these hours due to equipment, weather, and/or traffic for concrete trucking.

## REASON FOR EXEMPTION

Description of why noise within the prohibited hours of the N-200 By-law is required.

Noise may be within the prohibited hours as the work is weather dependent the work needs to take place when the weather is good so that it does not pose a risk to any employees completing the work and/or the end product of the work.

The crane also needs to be built in its location on site and this is something that needs to be completed at once and cannot be left at the hour cut off as crews need to ensure that it is safe to stop and recommence if needed.

The concrete needs to properly be cured so that it is finished correctly and is structurally acceptable before proceeding with the project. The exemption would be for the finishing of the slabs so they cure correctly. The slab finishing time line varies as it is very dependent on the weather, size, and conditions for the pour. Large slabs will take longer to cure and depending on the weather conditions may not be ready to finish until the afternoon.

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### MITIGATION MEASURES – SITE ORGANIZATION

Describe what site-specific steps you will take to reduce the impact of the noise during all hours of construction. (i.e. measures could include locating construction equipment away from residences, discouraging queuing of vehicles prior to site opening etc.)

This work is scheduled to take place during the working hours permitted with by-law N-200. The exemption would only apply if there are weather/wind/unexpected delays that cause the noise for the construction to surpass the bylaw hours.

For both the crane erection and concrete pours there will be no other trades working in the way of the work area that way it is clear for the work to take place in a timely manner.

Concrete work is expected to start at 7am on a weekday (not typically planned for weekends unless it is necessary) in order to be able to finish pours as soon as possible and aim to get finishing done within the allowed hours. Generally we aim to complete any areas of the slabs closest to neighboring properties as early as possible so that the equipment is further away if the finish work surpasses regular work hours.

The construction site is also fenced with plywood/concrete hoardings on the most open areas of the site to mitigate the noise transfer from site.

### MITIGATION MEASURES - EQUIPMENT

Describe what equipment related steps you will take to reduce the impact of the noise during all hours of construction. (i.e. measures could include sound barriers to muffle generators, scheduled inspections of equipment's condition etc.)

We ensure that equipment being used for work on site is regularly inspected and maintained so it minimizes the risk of any equipment breaking down during the work. Crews are also trained on this work so that they have full knowledge of their equipment and expectations of tasks to complete the work.

There will be some tower lighting for task lighting for these work events when required to ensure that the work is performed safely and efficiently to further reduce the time lines.

There is also electric power to the project site that way the crews are not required to rely on generators and can perform their tasks with electric equipment where available and possible.

For the crane erection the inspection of the crane takes place prior to it being reconstructed so that will also help with the erection time lines. The mobile crane is required to be located within the construction site while keeping a safe lifting reach for the crane construction. The mobile crane will not be at the property lines and will be as central to the site away from neighboring residences as possible.

For the concrete pours we stage as far away as possible from the neighboring properties to reduce noise transfer. There will be concrete buckets being used with the electric tower crane(s) also which will help with pour completion time lines and reduce the noise from concrete pumper trucks. All concrete deliveries will be within the regular working hours as well so there is not increased truck traffic outside of regular working hours. The finishing crews with commence with their equipment as soon as possible depending on the cure times.

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### MITIGATION MEASURES - OTHER

Describe what other steps you will take to reduce the impact of the noise during all hours of construction. (i.e. measures could include training, schedule after hours truck routes, solid hoarding and other measures not otherwise listed.)

#### For All Works:

Crews have been informed of the expectations to keep the site and work as quiet as possible if it extends into the prohibited hours and are expected to keep any discussions for the work on their radios and even for this usage to a minimum for the work to be achieved and to avoid shouting/yelling as this work takes place. Crews have been informed regularly of the importance to get this work done efficiently during planning discussions.

#### For the Crane Construction:

Pre-lift meeting to ensure that all steps are discussed and there is a lift plan in place before the day the crane is scheduled to be constructed.

The crane has already been delivered to site so there will not be increased truck traffic during this time.

#### For the Concrete Works:

Scheduling and pre-pour meetings take place so that all involved parties are on board with the expectations of the tasks of the day and important to maintain the schedule for the day.

Keep deliveries within the regular working hours.

Use of concrete admixtures to increase workability of the concrete that is being poured. This is also used during colder/hotter temperatures to advance cure times and workability.